

Mohammed Nouredine

Seattle, WA | 206-681-4231 | noureddine.m@northeastern.edu | [linkedin.com/in/mohammednoureddine52000](https://www.linkedin.com/in/mohammednoureddine52000)

EDUCATION

Northeastern University

Master of Computer Science (MSCS)

Seattle, WA

Expected Apr 2026

- **GPA:** 4.0/4.0
- **Relevant Coursework:** Object-Oriented Design, Data Structures and Algorithms, Web Development

University of British Columbia

Bachelor of Commerce (Finance & Analytics)

Vancouver, BC

Nov 2022

- **GPA:** 3.7/4.0
- **Relevant Coursework:** Systematic Program Design, Statistics & Probability, Management Information Systems

EXPERIENCE

Backend Finance Analyst

Definity Financial

Jan 2023 – Sept 2023

Toronto, ON

- Developed a dynamic backend treasury forecasting system, achieving variance under 5% for tracked items using Python for server-side logic and PostgreSQL for data storage.
- Automated bank reporting processes with Python and Pandas, resulting in an over 80% reduction in report generation time and substantial operational efficiency improvements.
- Designed and implemented a robust debt model, facilitating precise debt schedule generation for various investment instruments and streamlining debt portfolio management operations using Python.
- Created detailed Power BI dashboards, providing senior management with real-time insights and reporting on financial metrics by integrating backend data.

Systems Finance Analyst

Fraser Health Authority

May 2022 – Aug 2022

Vancouver, BC

- Built an efficient Java data analytics tool, integrating advanced data handling techniques and resulting in a 20% improvement in data precision.
- Conducted in-depth financial performance analysis for 300+ companies, leveraging VBA for initial data extraction and Java for backend data processing and database integration.
- Led due diligence for \$200+ million M&A transactions, employing Java for backend computation, resulting in streamlined processes and improved decision-making.

PROJECTS

Online Grocery Store System | *SpringBoot, JPA, PostgreSQL, SpringBoot Security, JUnit*

- Developed a backend application using SpringBoot to support an online grocery store system, implementing JPA for efficient database interactions, integrating SpringBoot Security for authentication and authorization, and utilizing PostgreSQL as the database solution while conducting thorough testing using JUnit.

CineVerse - MERN Stack Movie Library | *MongoDB, Express.js, Node.js, React.js, Git*

- Created a movie library web app using the MERN stack, leading full stack development with user authentication and dynamic reviews. Designed a responsive UI in React.js, integrated MongoDB for efficient data management, and earned praise for enhancing user engagement through seamless review capabilities.

SKILLS

Languages: Java, Python, C, JavaScript, PHP, VBA, CSS, HTML, R, SQL

Frameworks & Databases: Flask, Django, SpringBoot, Node.js, React.js, MongoDB, PostgreSQL, Processing3

Developer Tools: Postman, Insomnia, Git

Libraries: Pandas